

FACILITIES MECHANIC I
FACILITIES MECHANIC II

DEFINITION

To perform the inspection, operation, maintenance, and repair of a wide variety of stationary machinery and equipment used in City buildings, water distribution and sewage systems.

DISTINGUISHING CHARACTERISTICS

Facilities Mechanic I - This is the journey level class in the mechanic series. Mechanics in this class are assigned to skilled mechanic's tasks on a daily basis. Under the training concept of growing excellence in craft, positions allocated to the Facilities Mechanic II level which become vacant may reasonably be filled at the I level.

Facilities Mechanic II - the mechanic at this level assumes maintenance responsibility for a larger scope of fluoride operation, water control, locksmithing and HVAC work than is routinely expected of journey level mechanics performing skilled water and sewage mechanical maintenance. Positions in this class are flexibly staffed and are normally filled by advancement from the level I. When filled from the outside, they require prior journey level experience.

SUPERVISION RECEIVED AND EXERCISED

Direction is provided by the Facilities Maintenance Supervisor.

Technical supervision may be provided to less senior facilities staff members, on a job-for-job basis.

EXAMPLES OF DUTIES

Depending upon assignment, duties may include but are not limited to the following:

Inspects, operates, maintains and repairs gas fired boilers and/or furnaces, water heaters, emergency power engines, generators, refrigeration circulation pumps, air compressors, cooling towers, blower fans, water and sewage pumps, related motors, control devices, buildings and appurtenances located at reservoir, pressure reducing sites, fluoridation, and sewer lift stations.

EXAMPLES OF DUTIES (continued)

Tests and troubleshoots motors, pumps, valves and control devices.

Makes water tests, and chemically treats potable, boiler, and cooling water.

Repairs and replaces mechanical and automatic valves.

Maintains, repairs and modifies heating ventilation and air conditioning systems.

Repairs a variety of building equipment including plumbing, mechanical, lock and key, and conveyor systems.

Does welding, burning, brazing and soldering.

Provides data for Facilities Maintenance monthly reports, by keeping detailed records on daily water system tests.

Performs daily, weekly, monthly and semi-annual preventive maintenance on all machinery, devices and equipment assigned.

Performs related duties as assigned.

QUALIFICATIONS

FACILITIES MECHANIC I

Experience and Education

Graduation from a trade school, or completion of an apprenticeship program, plus

Three years' experience in either:

- a. The installation, service, repair and operation of heating, ventilating, air conditioning and associated equipment; and electro-mechanical devices and control in buildings, water systems and sewage systems.

OR

- b. Working with pumps, compressors, conveyors, and pneumatic and hydraulic control equipment.

License

Possession of a valid Class III California Driver's License.

Knowledge of:

The principles and theory covering the operation of heating, ventilation, and air conditioning systems.

The operation, repair and maintenance procedures relating to pumps, valves, motors, control devices and associated machinery and equipment.

The theory of the operation and controls of heating, ventilation and air conditioning systems, equipment and automatic electro-mechanical hydraulic units.

Occupational Safety and Health Act safety requirements and related devices and equipment.

The tools, materials and standard practices of the maintenance and construction trades.

Ability to:

Use standard tools and work practices in repairing and maintaining various types of building machinery and equipment including boilers, compressors, blowers, automatic control devices and associated equipment.

Perform general mechanical, plumbing and building repairs and maintenance work, including repairs to related machinery, accessories, valves, and related controls.

Schedule work, and compile lists of materials necessary to complete a project.

Analyze and solve maintenance and/or repair problems and determine appropriate approach.

Differentiate between what should be repaired versus what should be replaced.

Work from blueprints, sketches, plans, specifications and instruction manuals, and make necessary corrections.

Ability to (continued)

Follow manufacturers' instruction books in analyzing, repairing and adjusting machinery, equipment and controls, including but not limited to electrical, telemetering, mechanical, pneumatic, hydraulic and/or electronic.

FACILITIES MECHANIC II

In addition to the qualifications for Facilities Mechanic I:

Two years' experience comparable to that of a Facilities Mechanic I, with overall responsibility for the mechanical maintenance of entire systems and/or buildings.

July 1973

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AAP GROUP: 17

FPPC STATUS: Non-Designated

FLSA STATUS: Non-Exempt